

Name(s) of Risk Team Members: M. Van Essendelft, L. Campione, J. Williams			Point Value → Parameter ↓	1	2	3	4	5					
Area/Facility Description Title: Collider-Accelerator Area/Facility # (if applicable): Waste Yard FRA 22-06			Occupancy or Use (A)	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift					
Area/Facility Description: Area-Wide Waste Yard			Severity (B)	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability					
			Likelihood (C)	Extremely Unlikely	Unlikely	Possible	Probable	Multiple					
Approved by: <i>E. Lessard</i> Date: 5/5/2006 Rev.#: 0													
Reason for Revision (if applicable): Annual Review – FRA reviewed during the performance of moving PCB balasts from B-12 to 5 gallons bucket for disposal through EWMS division.						Comments:							
				Before Additional Controls				After Additional Controls					
Physical Item or Activity	Hazard(s)	Control(s)	Occupancy A	Severity B	Likelihood C	Risk* AxBxC	Control(s) Added to Reduce Risk		Occupancy A	Severity B	Likelihood C	Risk* AxBxC	% Risk Reduction
Receiving, sorting, handling and packaging wastes	Radiation	Posting, labeling, PPE, Tier 1 inspections, training, procedures, work planning, dosimeters, radiation surveys, RWP, RWMB, qualified personnel, locked and fenced area with limited access, use of certified containers and drums	3	1	3	9							
Receiving, sorting, handling and packaging wastes	Overexertion – injuries caused by excessive lifting, pushing, pulling, holding, carrying or throwing of an object	Training, procedures, work planning	3	3	3	27							
Receiving, sorting, handling and packaging wastes	Hazardous material exposures	Posting, labeling, PPE, Tier 1 inspections, training, procedures, work planning, MSDS, dosimeters, industrial hygiene surveys, qualified personnel, locked and fenced area with limited access, use of certified containers and drums	2	3	2	12							
Receiving, sorting handling and packaging wastes	Falls on the same level	Maintenance of area, work planning, snow removal	3	3	3	27							
Receiving, sorting handling and packaging wastes in outdoor area	Heat or cold stress	Training, Laboratory notification system on heat & cold alerts	2	1	3	9							
Receiving, handling and packaging wastes	Being struck by an object such as a vehicle in motion	Training, work planning, spotters	2	4	3	24							

Receiving, handling and packaging wastes into bins	Pinch points in placing wastes in containers or moving waste container cover	Training, work planning, spotters	2	4	3	24					
Sorting and packaging wastes – power tool usage	Being struck against a sharp surface	Work planning, use of safe tools, PPE	2	4	3	24					
Sorting and packaging wastes – electrical	Electrical shock	GFCI, UL listed tools, work planning, guards	2	2	2	8					
Sorting and packaging wastes – hydraulics	Being caught in or compressed by equipment	Work planning, guards	1	2	2	4					
Storage of wastes	Fire	Minimize combustibles, BNL Fire/Rescue Group, emergency procedures, EMTs	2	2	1	4					
Cutting waste drums	Being struck against a sharp surface	PPE, personal communication device, supervisor communication, work planning, maintenance of equipment	2	3	3	18					
Bulb crushing - electrical	Electric shock	GFCI, Tier 1 inspections, procedures, work planning, training, qualified personnel	2	2	2	8					
Bulb crushing	Being struck by an object such as flying debris	Guarding of moving parts, PPE, Tier 1 inspections, procedures, work planning, training	2	3	2	12					
Bulb crushing	Exposure to hazardous materials	HEPA/charcoal filters, posting, labeling, MSDS, PPE, Tier 1 inspections, procedures, work planning, training, industrial hygiene surveys, qualified personnel	2	2	2	8					
Further Description of Controls Added to Reduce Risk:											
*Risk:	0 to 20	21 to 40	41-60		61 to 80		81 or greater				
	Negligible	Acceptable	Moderate		Substantial		Intolerable				